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Publication number: **0 514 065 A3**

EUROPEAN PATENT APPLICATION

Application number: **92304038.0**

Int. Cl.⁵: **G02B 26/10**

Date of filing: **05.05.92**

Priority: **13.05.91 US 699083**

Dayton, Ohio 45479(US)

Date of publication of application:
19.11.92 Bulletin 92/47

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Designated Contracting States:
DE FR GB

Date of deferred publication of the search report:
30.12.92 Bulletin 92/53

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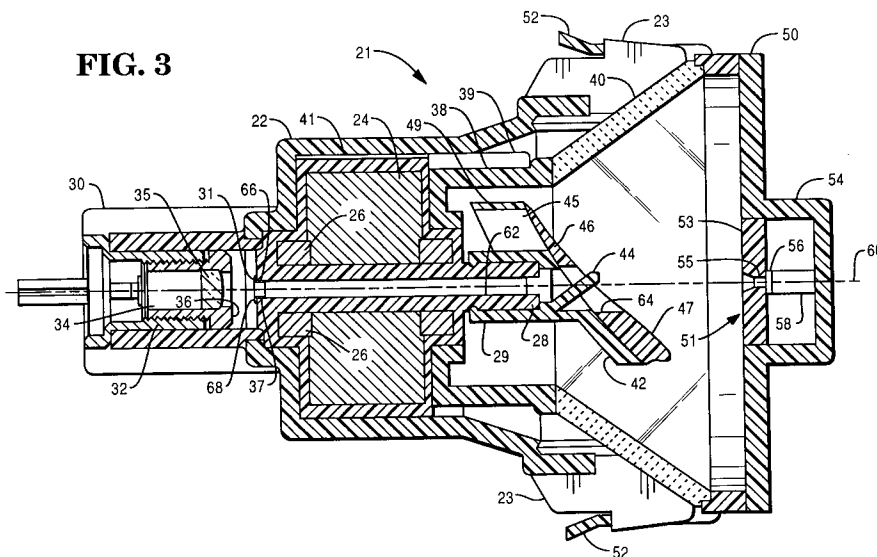
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Optical scanner apparatus.

The invention provides for optical scanner apparatus (21) having a dynamic laser diode aperture (37) for collimating light from a laser diode (34) so as to increase the power of the beam to a predetermined maximum. The optical scanner (21) includes a motor (24) for driving a hollow cylindrical shaft (28) through which the output laser light passes. A lens member (35) focuses the light, and the aperture

(37), located within a cap member (31) within an end of the motor shaft (28) closest to the laser diode (34), collimates the focused light. The aperture (37) approximates to the cross-sectional shape of the unfocused light pattern from the laser diode (34) and in a preferred embodiment, the aperture (37) is generally elliptical in shape.

FIG. 3



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DOCUMENTS CONSIDERED TO BE RELEVANT			
Category	Citation of document with indication, where appropriate, of relevant passages	Relevant to claim	CLASSIFICATION OF THE APPLICATION (Int. Cl.5)
A,D	US-A-4 971 410 (WIKE, JR ET AL.) * claims; figure 2 *	1	G02B26/10
A	EP-A-0 269 122 (FUJI PHOTO FILM CO. LTD.) * column 7, line 8 - line 14; claim 1; figures 3,10 *	1-5	
A	US-A-4 721 860 (TROENDLE) * column 2, line 5 - line 38; figure 2 *	1	
			TECHNICAL FIELDS SEARCHED (Int. Cl.5)
			G06K G02B
The present search report has been drawn up for all claims			
Place of search THE HAGUE		Date of completion of the search 23 OCTOBER 1992	Examiner GRUNFELD M.Y.
<p>CATEGORY OF CITED DOCUMENTS</p> <p>X : particularly relevant if taken alone Y : particularly relevant if combined with another document of the same category A : technological background O : non-written disclosure P : intermediate document</p> <p>T : theory or principle underlying the invention E : earlier patent document, but published on, or after the filing date D : document cited in the application L : document cited for other reasons & : member of the same patent family, corresponding document</p>			